

NARROW WEB CORONA TREATER

ABSTRACT

A corona discharge device is adapted to be used in conjunction with a printing press. The device includes a cabinet housing an on-board power supply associated with a high voltage transformer. A rear end plate and a front end plate spaced apart in parallel relationship from the rear end plate both depend from the cabinet. An electrode support tube is fixedly mounted to the cabinet and has an electrode magazine slidably mounted on the support tube between an operative position and an inoperative position, the magazine including a series of parallel electrodes. A grounded treater roll is rotatably mounted on a first shaft between the rear end plate and the front end plate and below the support tube. A pair of spaced idler rolls is rotatably mounted on respective second and third shafts between the rear end plate and the front end plate below the treater roll such that a flexible web is guided upwardly by the idler rolls and wound about the treater roll beneath the electrodes.